

# BREEZE

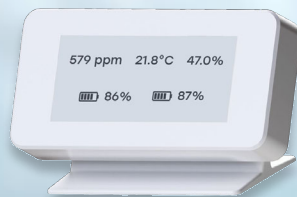
## A Solution for the INDOOR AIR QUALITY MONITOR

### DID YOU KNOW?

- In the office and classroom, elevated levels of CO<sub>2</sub>, have been found to decrease information utilization, increase headaches, decrease performance, and increase rates of absenteeism. <sup>1</sup>
- The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) recommends maintaining indoor CO<sub>2</sub> levels to no more than approximately 1,000 ppm above outdoor ambient levels. <sup>2</sup>



**BREEZE INDOOR AIR QUALITY  
& CO<sub>2</sub> SENSOR**



**BLUETOOTH LOW ENERGY  
E-INK DISPLAY**

## What BREEZE Offers?



CO<sub>2</sub>  
CONCENTRATION



TEMPERATURE  
MONITORING



HUMIDITY  
MONITORING



LIGHT DETECTION  
(ON / OFF)



BAROMETRIC  
AIR PRESSURE



END-TO-END  
SOLUTION



24/7 MONITORING  
REAL-TIME ALERTS



**400**  
  
**800**

### GOOD

Acceptable conditions with normal level of CO<sub>2</sub>



**800**  
  
**1200**

### FAIR

Upper limit of CO<sub>2</sub> concentration for indoor level



**1200**  
  
**1800**

### POOR

Complaints of drowsiness and poor air, weak people could faint and cough



**1800**  
  
**2100**

### DANGEROUS

Poor concentration, increased heart rate, headaches, sleepiness

## DID YOU KNOW?

The UK Government's scientific advisers recommend NDIR (non-dispersive infra-red) technology in the CO<sub>2</sub> sensors.<sup>3</sup>

"The Breeze/Breeze-V measures CO<sub>2</sub> concentration using non-dispersive infrared (NDIR)"!!!

# Why Choose BREEZE?



### High Accuracy

BREEZE Sensor guarantees high Accuracy  $\pm 30$ ppm CO<sub>2</sub> and Reliability with integrated barometric pressure compensation.



### E-Ink Display

BREEZE Sensor and E-Ink display offers flexibility in deployment to Visualize Data with Freedom to mount the sensor in the right place.



### Auto Calibration

The BREEZE Sensor self-calibrates CO<sub>2</sub> levels at a configurable time (7 days default), eliminating manual intervention, reducing maintenance time & costs.



### HVAC Monitoring

High CO<sub>2</sub> levels can indicate insufficient airflow, filtering and may indicate presence of other toxins.



### Virus Spread Mitigation

At 800 PPM; 1% of the air you breathe in comes from someone else's exhaled breath.



### Cognitive Function

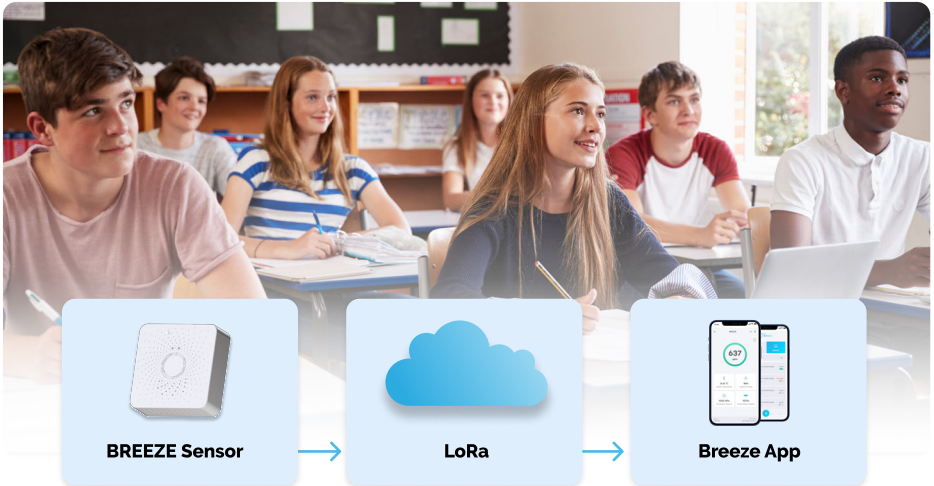
- High levels of CO<sub>2</sub> affect productivity, causing tiredness, dizziness and headaches and reduced cognitive ability including information retention and focus
- 1800+ ppm will fatigue, resulting in a 70-80% decrease in cognitive function.



### 5 Years Battery

The Bluetooth display includes a battery life indicator for seamless monitoring.

# How BREEZE Works?



- 1 Place BREEZE in the appropriate place
- 2 Download Breeze App and Sign In
- 3 Scan Sensor QR Codes via Breeze Application
- 4 All Devices Details are Set by Default
- 5 Edit Sensor Configurations as needed
- 6 Display Sensor Data
- 7 Take Immediate Action to Address CO<sub>2</sub> Concerns

# Where is BREEZE Deployed?



SMART HOME & OFFICE



SCHOOLS &  
UNIVERSITIES



HOSPITALS & MEDICAL  
FACILITIES



RETAIL



PUBLIC BUILDINGS

## Reference links

1. [7 Reasons Why You Should Measure CO2 Inside Buildings :: GBIG Insight](#)
2. [Unveiling the Importance of CO2 Monitors in Efficient HVAC Testing | HVAC Tactician](#)
3. [How carbon dioxide monitoring works and why it is so important \(pressac.com\)](#)